

Patent Abstracts of Japan

PUBLICATION NUMBER : 2003128962
PUBLICATION DATE : 08-05-03

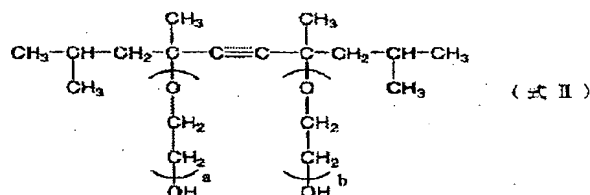
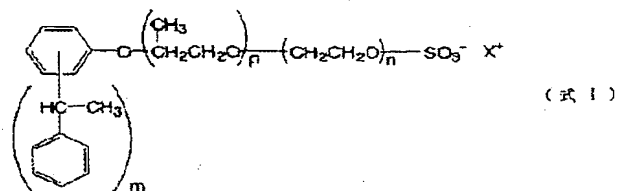
APPLICATION DATE : 22-10-01
APPLICATION NUMBER : 2001323343

APPLICANT : TORAY IND INC;

INVENTOR : SUZUKI TOSHIYUKI;

INT.CL. : C09D 11/00 B41J 2/01 B41M 5/00
D06P 1/16 D06P 5/00 D06P 5/20

TITLE : INK COMPOSITION AND METHOD
FOR INK-JET DYEING USING THE
SAME



ABSTRACT : PROBLEM TO BE SOLVED: To provide an ink composition capable of affording a highly sharp printed image, sufficient preservation stability without causing nonjetting even in printing for a long time, a small amount of bubbles even if shaken and having a short time for small bubbles to disappear.

SOLUTION: This ink composition comprises a disperse dye dispersible with at least a dispersing agent, a water-soluble organic solvent, a surfactant and water. In the ink composition, at least a compound represented by formula I (wherein, m is 1-5; n is 1-10; p is 0-12; and X^+ is one kind selected from hydrogen ion, an alkali metal ion and an amine compound ion) is contained in the dispersing agent for the disperse dye. At least a compound represented by formula II (wherein, a+b is 0-30) is contained in the surfactant.

COPYRIGHT: (C)2003,JPO